Work Orde October-08-13		3184		*108	R184*						Page 1	
Revision ID:	D3898-1 Floor Protector	(206L)		Accept	*N900	040	100)* s	etup Sta	171	S1* S2*	
Start Date: Required Date: Reference:	10/03/13 10/08/13	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item l Customer:							
Approvals:			Date: 3-10-10			ate:		R	tun Sta Sto	. I V	R1* R2*	
Sequence ID/ Work Center II		Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
Draw Nbr	Revi	sion Nbr										
D3898	Rev	A									•••	
*100				0.00				7(~	- Dh	
HandThermo Hand Finishing The	rmoforming	Memo 1-Cut Sheet	to required Blank size	0.00							(3/10/8	-
105				0.00							0.0	
105		Dry material		0.00				_ }/			Wh	
HandThermo Hand Finishing The	ermoforming	Memo Dry Sheet a	s per QSi022 POLYCARI	0.00 BONATE							13/10/22	
			7:00 pm (3/10/21								
		Time OUT:	10000									

											DQA:	Date:	:
NCR: Y	es .	/ No				WORK ORDER NON-C		NFORM	AANCE / UPDAT	Έ	•		
											QA Closed:	Date:	
Work Orde	or.					DISPOSITION			A	AGAINST DEF	PARTMENT	PROCESS	
Part N	 No					Rework Scrap Use-as-is		Therm	Machining Si noforming F	rosstube mall Fab Finishing		Water Jet d. Eng. Coor. re/Packaging	Engineering Quality Other
NCR N	vo					Work Order Update		:	Large Fab Co	mposite		Supplier	
Root Cause		Date	Step	Qty		ption of work order update	ŧ	nitial ief Eng	Action Descriptio	on.	Sign & Date	Verification	QC Inspector
Doc/Data				~-7									
Equip/Tooling	П												
Operator								;					
Material	П												
Setup					1		İ						
Other													
Process													
Supplier													
Training													
Unapproved				<u> </u>	1								
							AUL	T CATE	GORY				
Landi					_	General	_	1		·		_	¬
		Bending			_	Bend	<u> </u>	Grain		⊢ —-	Ovalized	_	Pressure/Forced
	-	Centre No	ot Concer	ntric to	o/s	BOM/Route	\vdash	Hardwa			Over/Under	-	Temperature/Cure
	-	Cracks			<u> </u>	Broken/Damaged	<u> </u>	1 '	on Incomplete)	Part Incorred	 	Weld
	\vdash	Crushed/0	Crimped		<u> </u>	Burrs	L	1	ions Incomplete/Uncle		Part Lost/Mi	ssing	Wrong Stock Pulled
	Н	Cuffs			<u> </u>	Contamination	<u> </u>	Mainte		\vdash	Part Moved		
	-	Heat Trea			<u> </u>	Countersink .	<u> </u>	Mislabe		⊢	Positioned V	~ _	7
	1 1	nenaction	n Strin in	Tuho	i	Cut Too Short	1	Microad	l	1 1	Power Loss	Surge	Other

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

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Work Orde				*108	184*							Page 2
Revision ID:	D3898-1 Floor Protecto	or (206L)		Accept	*N900	040	100)*	Setup	Start Stop	*N: *N:	S1* S2*
Start Date: Required Date: Reference:	10/03/13 10/08/13	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item II Customer:	D:						
Approvals:		an:	Date:			te:			Run	Start Stop	*N *N	R1* R2*
Sequence ID/ Work Center II 110 *110* Thermoform Thermoforming Mac		3-Thermofo Dwg Rev:_ Folio Rev:_	ool to required temp.	olio #FTA0xxusing tool DT9501	Tool ID	Tool#	Plan Code	Accep Qty	t Re Qt	•	Reject Number	Insp. Stamp (3/10/2)
*140 *140* HandThermo Hand Finishing The	rmoforming	Memo 1-Trim to fi	nished dimensions as	0.00 0.00 per Dwg				x1		. —		13/10/23

0.00

0.00

150

150

Quality Control

QC2- Inspect parts off machine FAI/FAIB

Complete FAI document

Memo

											DQA:	Date	::
NCR: Y	es /	No				WORK ORDER NON-C	10:	VFORM	MANCE / UPD/		QA Closed:	Date	·
											QA Closed.	Date	•
Work Orde	, ji					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Work Orde						Rework			Skid-tube	Crosstube		Water Jet	Engineering
Part N	lo.					Scrap			Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	-					Use-as-is			noforming	Finishing		e/Packaging	Other
NCR N	lo				· · · · · · · ·	Work Order Update			Large Fab	Composite		Supplier	
Root			·····		Descri	ption of work order update		nitial	Actio	n	Sign &		
Cause		Date	Step	Qty	Č	or Non-conformance	Ch	ief Eng	Descrip	ition	Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling													
Operator						•							
Material													
Setup													
Other							[
Process													
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Landir	ng Gea	ar				General							
[Be	ending				Bend	Г	Grain			Ovalized	Ε	Pressure/Forced
	Ce	entre No	t Concer	ntric to	o/s	BOM/Route		Hardwa	re .		Over/Under	tolerance	Temperature/Cure
	Cr	acks				Broken/Damaged		Inspecti	on Incomplete		Part Incorred	ct	Weld
	Cr	ushed/0	Crimped			Burrs		Instruct	ions Incomplete/Un	clear	Part Lost/Mi	ssing	Wrong Stock Pulled
ľ	Cı	ıffs				Contamination		Mainte	nance		Part Moved	_	<u> </u>
	Пн	eat Trea	t			Countersink		Mislabe	led		Positioned V	Vrong	
	In	spection	n Strip in	Tube		Cut Too Short		Misread	I		Power Loss/	Surge	Other
	Ri	pples in	Bend			Drill Holes	Г	Offset				_	

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Orde			innung sener i	*108	184*		i Tilin l	. 1 1.1 1.1 1.1 11 1.1		*. * =	Page 3
Revision ID:	D3898-1 Floor Protecto	or (206L)		Accept	*N900	040	100)* s	etup Start Stop	ı Vı .	S1* S2*
Start Date: Required Date: Reference:	10/03/13 10/08/13	Start Qty: 1.00 Req'd Qty: 1.00	*1* *1*		Cust Item II Customer:	D:					12
Approvals:		an:	Date:			te:		R	un Start Stop	1/1	R1* R2*
Sequence ID/ Work Center II 160 *160* QC Quality Control	D	Operation Description QC5- Inspect part comple	eteness to step on W/O	Set Up/ Run Houas 0.00 27 9-89 0.00 \$\int \lambda \lambda \lambda \lambda	Tool ID	Tool #	Plan Code	Accept	Reject Qty	Reject Number	Insp. Stamp
170 *170* Packaging Packaging		Identify as per dwg & Sto	pek Location: PPP IO86 IO	0.00				Lx	DAS 28 9-89	13	-10-24

0.00

0.00

180

120

Quality Control

QC21- Final Inspection - Work Order Release

Memo

A /M 13-10-25

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-O	100	VFORM	/ANCE / UPI	DATE			
											QA Closed:	Date:	
Work Orde	er:					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part f	- No			- 4		Rework Scrap Use-as-is Work Order Update		ا Therm	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root					Descri	ption of work order update		Initial	Act	ion	Sign &		
Cause		Date	Step	Qty	C	or Non-conformance	Ch	ief Eng	Descr	ription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved								•					
							AUL	T CATE	GORY			·	
Landi		ear Bending Centre No Cracks Crushed/C Cuffs Heat Trea nspectior	Crimped t		o/s	General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short		4 '	on Incomplete ions Incomplete/U nance led		Ovalized Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V Power Loss/	ct ssing vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other
		Ripples in	Bend			Drill Holes		Offset					

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

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Picklist Print

October-08-13 11:08:38 AM

Work Order ID:

108184

Parent Item:

D3898-1

Parent Item Name:

Floor Protector (206L)

Start Date: 10/03/13

Required Date: 10/08/13

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev.A New Issue 09/02/06 DL 10/04/21 DL

IPP RevB Add Step 105 Dry Material

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MLEXS.118-90318-08 Lexan Sheet		Purchased	No			100	sf	3,471.2800	10.6	12			DL_
				Location		<u>Loc Qty</u>		c Code		•		•	13/10/23
				therm	127 26994	3471.28 71.28 3400				7 5g f	4.		` (

											DQA:	Date	e:
NCR: Y	⁄es	/ No			•	WORK ORDER NON-C	O1	VFOR	MANCE / UP	DATE			
<u>.</u> .	,					-					QA Closed:	Date	e:
Work Orde	٠ <u>٠</u> ٠					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part N	_		,			Rework Scrap			Skid-tube Machining	Crosstube Small Fab	-1	Water Jet d. Eng. Coor.	Engineering Quality
NCR N	No					Use-as-is Work Order Update		Thern	noforming Large Fab .	Finishing Composite	Rec/Sto	re/Packaging Supplier	Other
Root					Descri	ption of work order update	1	nitial	Ac	tion	Sign &		
Cause		Date	Step	Qty	(or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup					•								
Other	П						ļ						
Process	П												
Supplier	П		ļ										
Training									,				
Unapproved													
						. F/	AUL	T CATE	GORY				
Landi	ng G	iear				General		_			_	_	
	Ш	Bending				Bend	L	Grain			Ovalized	Ļ	Pressure/Forced
	Ш	Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re	<u></u>	Over/Under	tolerance	Temperature/Cure
	Ш	Cracks				Broken/Damaged	L	4	on Incomplete		Part Incorre	ct	Weld
	Ш	Crushed/	Crimped			Burrs	L	Instruct	ions Incomplete/	Unclear	Part Lost/Mi	ssing	Wrong Stock Pulled
	Ш	Cuffs			<u> </u>	Contamination		Mainte	enance		Part Moved		
	Ш	Heat Trea	it			Countersink		Mislabe	eled		Positioned V		_
	Ш	Inspection	n Strip in	Tube		Cut Too Short	L	Misread	1		Power Loss/	Surge	Other
		Ripples in	Bend			Drill Holes		Offset					
		Torque W	aves in E	xtrusio	n	Drawing		Out of	Calibration				

Out of Sequence

Outside Dimensions

Turning Sequence

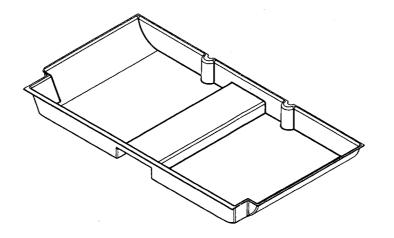
Wave/Twist in Tube

Finish

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DART AEROSP	ACE LTD			Wo	rk Order:	108184
				De	art Number:	D3898-1
Description: Floor	Protector			P	irt Number:	D3090-1
nspection Dwg:	03898 Rev : A					Page 1 of 1
	FIRST A	RTICLE INSP	ECTION	CHECK	LIST	
	х	First Article		Prototy	ре	
	Ti	HERMOFORN	MING SE	CTION		•
Description			Accept	Reject	Method of Inspection	Comments
nside Radii less th	an <u>W/A</u> "					
Shape Definition		,	<u>ن</u>			
Texture Retention			-	ļ		
Material imperfection scratching	ons such as bumps,	cracks, voids,				
scratching						
						i .
				1		
Magazirod by:			<u> </u>	<u> </u>	Date:	18/10/22
Measured by:	Who				Date:	18/10/22
Measured by:	i Mi	TRIMMING	SECTIO)N	Date:	13/10/22
Drawing	Tolerance	TRIMMING Actual Dimension	SECTION Accept	ON Reject	Date: Method of Inspection	18/10/22 Comments
	Tolerance	Actual Dimension			Method of Inspection	
Drawing Dimension		Actual Dimension			Method of	
Drawing Dimension 0.50	Min	Actual Dimension 0.609 " 1.03 " 5.6"			Method of Inspection	
Drawing Dimension 0.50 1.00	Min Min	Actual Dimension 0.609 1.03 5.64 0.086			Method of Inspection () eu DL-03	Comments
Drawing Dimension 0.50 1.00 5.6	Min Min +0.2/-0.0	Actual Dimension 0.609 1.03 5.64 0.086			Method of Inspection () en DL-02 Very DL-02	Comments
Drawing Dimension 0.50 1.00 5.6 0.080	Min Min +0.2/-0.0 Min	Actual Dimension 0.609 " 1.03 " 5.6"			Method of Inspection Very DL-02 Very DL-02 COL TH-0T	Comments
Drawing Dimension 0.50 1.00 5.6 0.080	Min Min +0.2/-0.0 Min	Actual Dimension 0.609 1.03 5.64 0.086			Method of Inspection Very DL-02 Very DL-02 COL TH-0T	Comments
Drawing Dimension 0.50 1.00 5.6 0.080	Min Min +0.2/-0.0 Min	Actual Dimension 0.609 1.03 5.64 0.086			Method of Inspection Very DL-02 Very DL-02 COL TH-0T	Comments
Drawing Dimension 0.50 1.00 5.6 0.080	Min Min +0.2/-0.0 Min	Actual Dimension 0.609 1.03 5.64 0.086			Method of Inspection Very DL-02 Very DL-02 COL TH-0T	Comments
Drawing Dimension 0.50 1.00 5.6 0.080	Min Min +0.2/-0.0 Min	Actual Dimension 0.609 1.03 5.64 0.086			Method of Inspection Very DL-02 Very DL-02 COL TH-0T	Comments
Drawing Dimension 0.50 1.00 5.6 0.080	Min Min +0.2/-0.0 Min	Actual Dimension 0.609 1.03 5.64 0.086			Method of Inspection Very DL-02 Very DL-02 COL TH-0T	Comments
Drawing Dimension 0.50 1.00 5.6 0.080 0.050	Min Min +0.2/-0.0 Min Min	Actual Dimension 0.607 (1.03 (0.086 (0.086 (0.0600 (Method of Inspection Var DL-02 Var DL-02 CAL TH-DT CAL TH-DT	Comments
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09.09.15 New Issue



1081811 MCZ 13-10-10

D3898-1 FLOOR PROTECTOR (206L)

NOTES:
1) MATERIAL: LEXAN 90318 (PROTECT-A-GLAZE), 0.118 THICK, 112-CLEAR (MLEXS.118-90318-08)
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3898-1" USING VIBRATING STYLUS
7) WEIGHT: 5.0 Ibs.
8) TOOLING: THERMOFORM PER MOLD DT9501 PER DART QSI 022. TRIM PER MOLD
9) MINIMUM THICKNESS: 0.050" EXCEPT AS SHOWN

Α NEW ISSUE 09.02.27 РН REV. DESCRIPTION BY DATE DESIGN DART AEROSPACE LTD DRAWN HAWKESBURY, ONTARIO, CANADA DRAWING NO. CHECKED REV. A D3898 MFG. APPR. SHEET 1 OF 2 APPROVED TITLE SCALE FLOOR PROTECTOR (206L) DE APPR. NTS COPYRIGHT © 2008 BY DART AEROSPACE LTD
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